

List of Activities

P **Robinia pseudoacacia (Fabaceae)**

Common name(s)

Black Locust

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Activity	Reference
11B-HSD-Inhibitor	
Chemicals (1)	
KAEMPFEROL	
5-Alpha-Reductase-Inhibitor	
Chemicals (4)	
LINOLEIC-ACID	
OLEIC-ACID	
PALMITIC-ACID	
STEARIC-ACID	
5-Lipoxygenase-Inhibitor	
Chemicals (2)	
FISETIN IC50 (uM)=11	
KAEMPFEROL IC50 (uM)=20	
ACE-Inhibitor	
Chemicals (3)	
ALPHA-TERPINEOL 100 ug/ml (weak activity)	
FISETIN IC50=150 uM/	
SYRINGIN	
Acetylcholinergic	
Chemicals (1)	
GLUCOSE	
Adaptogenic	
Chemicals (1)	
SYRINGIN	
Aldose-Reductase-Inhibitor	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Chemicals (6)	
ACACETIN	
ALPHA-TERPINEOL 100 ug/ml	
INDOLE	
KAEMPFEROL 100 uM	
LINARIN IC20=10 uM	
TAXIFOLIN 60 uM pig	

Allelochemical Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.

Chemicals (1)

CANAVANINE

Allelopathic Wright,C.W.(Ed)2002.Medicinal&Aromatic Plants-Industrial Profiles.Artemisia.344pp.Maffei,M.(Ed)2002.Vetiveria.The Genus Vetiveria.Taylor&Francis.NY,NY.191pp.Southwell,I.,Lowe,R.(Eds)1999.Tea Tree.The Genus Melaleuca.Harwood Acad.Pub.Amsterdam,Netherlands.

Chemicals (1)

ALPHA-TERPINEOL

Allergenic

Chemicals (6)

ACACETIN
BENZALDEHYDE
BENZYL-ALCOHOL
FARNESOL
FISETIN
OLEIC-ACID

Alpha-Reductase-Inhibitor

Chemicals (1)

OLEIC-ACID

Ametic

Chemicals (1)

ROBIN

Androgenic

Chemicals (1)

BETA-SITOSTEROL

Anemiagenic

Chemicals (1)

OLEIC-ACID

Anesthetic

Chemicals (2)

BENZALDEHYDE
BENZYL-ALCOHOL

Angiogenic

Chemicals (1)

BETA-SITOSTEROL

Angiotensin-Receptor-
Blocker

Chemicals (1)

FIBER

Anorexic Martindale's 28th

Chemicals (1)

BETA-SITOSTEROL

Anthelmintic

Chemicals (1)

TANNIN

Antiacne

Chemicals (3)

ALPHA-TERPINEOL

INDOLE

LINOLEIC-ACID

Antiadenomic

Chemicals (2)

BETA-SITOSTEROL

FARNESOL

Antiaflatoxin

Chemicals (2)

ACACETIN IC₅₀=7.25 uM

KAEMPFEROL IC₅₀=8.73 uM

Antiaggregant

Chemicals (1)

KAEMPFEROL 30 uM

Antiallergic

Chemicals (3)

ACACETIN

CALCIUM 500 mg/day

KAEMPFEROL

Antialopécie

Chemicals (3)

LINOLEIC-ACID

OLEIC-ACID

PALMITIC-ACID

Antianaphylactic

Economic & Medicinal Plant Research, 6: 189.

Chemicals (1)

LINOLEIC-ACID

Antiandrogenic

Chemicals (4)

BETA-SITOSTEROL

LINOLEIC-ACID

OLEIC-ACID

PALMITIC-ACID

Antianxiety

Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

Chemicals (1)

CALCIUM

Antiarrhythmic

Chemicals (1)

CALCIUM 500-1,500 mg

Antiarteriosclerotic

Chemicals (1)

LINOLEIC-ACID

Antiarthritic

Chemicals (2)

CALCIUM 1,000 mg/day

LINOLEIC-ACID

Antithrombotic

Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Chemicals (1)

CALCIUM 500 mg/day

Antiazotemic

Chemicals (1)

ROBININ

Antibacterial

Chemicals (12)

ALPHA-TERPINEOL MIC=800-1,600 ug/ml

BENZALDEHYDE

BETA-SITOSTEROL

CANAVANINE

FUSTIN

INDOLE MIC=800 ug/ml

KAEMPFEROL 20 ug/ml

LIGNIN

NEROL

ROBININ

TANNIN

TAXIFOLIN

Anticancer

Chemicals (6)

ALPHA-TERPINEOL

BENZALDEHYDE

KAEMPFEROL

LIGNIN

ROBININ

TANNIN

Anticancer (Breast)

Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from *Vaccinium myrtillus* (Bilberry) Fruits and Cell Cultures. *Plant Sci.*, 131(1): 95-103.**Chemicals (1)**

BETA-SITOSTEROL

Anticancer (Cervix)

Chemicals (1)

BETA-SITOSTEROL

Anticancer (Lung)

Chemicals (1)

BETA-SITOSTEROL

Anticancer (Pancreas)

Chemicals (1)

FARNESOL IC50=39 uM

Anticarcinomic (Colon)

Chemicals (1)

FARNESOL

Anticarcinomic (Lung)

Chemicals (1)

FARNESOL

Anticariogenic

Muroi, H. and Kubo, I. 1993. Combination Effects of Antibacterial Compounds in Green Tea Flavor against *Streptococcus mutans*. *J. Agric. Food Chem.* 41: 1102-1105.

Chemicals (3)

ALPHA-TERPINEOL MIC=800-1,600 ug/ml

INDOLE MIC=800 ug/ml

TANNIN

Anticlimacteric

Chemicals (1)

CALCIUM 1,000-1,500 mg/day

Anticomplementary

Chemicals (2)

SYRINGIN

TAXIFOLIN 1/3 aspirin

Anticoronyary

Chemicals (2)

LIGNIN

LINOLEIC-ACID

Antidepressant

Davies, S., and Stewart, A. 1990. *Nutritional Medicine*. Avon Books, New York. 509pp.

Chemicals (2)

CALCIUM

LIQUIRITIGENIN

Antidiabetic

Chemicals (2)

FIBER

XYLOSE

Antidiarrheic

Martindale's 29th

Chemicals (2)

LIGNIN

TANNIN

Antidote (Aluminum)

Davies, S., and Stewart, A. 1990. *Nutritional Medicine*. Avon Books, New York. 509pp.

Chemicals (1)

CALCIUM

Antidote (Lead)

Davies, S., and Stewart, A. 1990. *Nutritional Medicine*. Avon Books, New York. 509pp.

Chemicals (1)

CALCIUM

Antidysenteric

Chemicals (1)

TANNIN

Antieczemic

Economic & Medicinal Plant Research, 6: 189.

Chemicals (1)

LINOLEIC-ACID

Antiedemic

Chemicals (2)BETA-SITOSTEROL IC₅₀=320 mg/kg orl

GLUCOSE

Antiestrogenic

Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.

Chemicals (1)

BETA-SITOSTEROL

Antifeedant

Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.

Chemicals (2)

BETA-SITOSTEROL

CANAVANINE

Antifertility

Kumar, P., Dixit*, V.P., and Khanna, P. Antifertility Studies of Kaempferol: Isolation and Identification from Tissue Culture of some Medicinally Important Plant Species. Plantes medicinales et phytotherapie, 23: 193-201, 1989.

Chemicals (2)

BETA-SITOSTEROL

KAEMPFEROL 250 mg/kg/day/60 days/orl rat

Antifibrinolytic

Economic & Medicinal Plant Research, 1: 53.

Chemicals (2)

LINOLEIC-ACID

PALMITIC-ACID

Antiflu

Vlietinck, A.J. and Domisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.

Chemicals (1)

CANAVANINE

Antigingivitic

Chemicals (1)

KAEMPFEROL 20 ug/ml

Antigonadotrophic

Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.

Chemicals (1)

BETA-SITOSTEROL

Antigranular

Chemicals (1)

LINOLEIC-ACID

Antihelicobacter

Chemicals (1)

NEROL

Antihepatotoxic

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (4)

GLUCOSE
LIGNOCERIC-ACID
TANNIN
TAXIFOLIN

Antiherpetic Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.

Chemicals (3)

FUSTIN
KAEMPFEROL 23-92 ug/ml
TAXIFOLIN

Antihistaminic Economic & Medicinal Plant Research, 6: 189.

Chemicals (4)

ACACETIN
FISETIN
KAEMPFEROL
LINOLEIC-ACID

AntiHIV

Chemicals (2)

LIGNIN
TANNIN

Antihyperkinetic Davies, S., and Stewart, A. 1990. *Nutritional Medicine.* Avon Books, New York. 509pp.

Chemicals (1)

CALCIUM

Antihyperlipoproteinaemic Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.

Chemicals (1)

BETA-SITOSTEROL

Antihypertensive

Chemicals (3)

CALCIUM
FIBER
TANNIN

Antiimplantation

Chemicals (2)

BUTIN
KAEMPFEROL

Antiinflammatory Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.

Chemicals (9)

ALPHA-TERPINEOL
AMYGDALIN
BETA-SITOSTEROL
BUTEIN
KAEMPFEROL 20 mg/kg
LINOLEIC-ACID IC50=31 uM
LIQUIRITIGENIN
OLEIC-ACID IC50=21 uM
TAXIFOLIN

Chemicals (1)

CALCIUM

Antiketotic

Merck 11th Edition

Chemicals (1)

GLUCOSE

Antileukemic

Chemicals (4)

BETA-SITOSTEROL

FARNESOL

KAEMPFEROL IC₅₀=3.1 ug/mlLIQUIRITIGENIN IC₅₀=0.29 ug/ml

Antileukotriene-D4

Chemicals (2)LINOLEIC-ACID IC₅₀=31 uMOLEIC-ACID IC₅₀=21 uM

Antilipolytic

Chemicals (1)

TANNIN

Antilymphocytic

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

KAEMPFEROL

Antilymphomimic

Chemicals (1)

BETA-SITOSTEROL

Antimalarial

Chemicals (1)ACACETIN IC₅₀=4.2-12.6 ug/ml

Antimelanomic

Chemicals (1)FARNESOL IC₅₀=50 uM/l

Antimenopausal

Chemicals (1)

CALCIUM 1,000-1,500 mg/day

Antimenorrhagic

Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).

Chemicals (1)

LINOLEIC-ACID

Antimetabolic

Chemicals (1)

CANAVANINE

Chemicals (1)

LINOLEIC-ACID

Antimutagenic Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507. ACS, Washington 402 pp.

Chemicals (8)

ACACETIN
BENZALDEHYDE
BETA-SITOSTEROL 250 ug/ml
FISETIN ID50=10-40 nM
KAEMPFEROL ID50=10-40 nM
ROBININ ID50=50-100 nM
TANNIN
TAXIFOLIN

Antinephritic Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. *Chem. Pharm. Bull.* 38(4): 1049-1052, 1990.

Chemicals (1)

TANNIN

Antinitrosaminic

Chemicals (1)

LIGNIN

Antibesity

Chemicals (2)

CALCIUM
FIBER

Antiodontalgic Martindale's 28th

Chemicals (1)

BENZYL-ALCOHOL

Antiophidic Economic & Medicinal Plant Research, 5: 363.

Chemicals (2)

BETA-SITOSTEROL 2.3 mg mus
TANNIN

Antosteoporotic

Chemicals (2)

CALCIUM 500-2,000 mg/day
PHOSPHORUS

Antioxidant

Chemicals (10)

BETA-SITOSTEROL IC44=10 uM
BUTEIN 1,000 uM
FISETIN
KAEMPFEROL IC50=40 uM
LIGNIN
PALMITIC-ACID IC40=60
ROBINETIN IC50=1.02mM
ROBININ 1/5 quercetin
TANNIN IC50=1.44 ug/ml
TAXIFOLIN

Antipeptic

Chemicals (1)

BENZALDEHYDE

Antiperiodontic

Chemicals (1)

KAEMPFEROL 20 ug/ml

Antiperiodontitic

Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Chemicals (1)

CALCIUM 750 mg/day

Antiperistaltic

Chemicals (1)

HELIOTROPINE

Antiplaque

Chemicals (1)

KAEMPFEROL 20 ug/ml

AntiPMS

Chemicals (1)

CALCIUM 1 g/day

Antiprogestational

Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.

Chemicals (1)

BETA-SITOSTEROL

Antiproliferant

Chemicals (1)

ALPHA-TERPINEOL

Antiprostaglandin

Chemicals (1)

BETA-SITOSTEROL 30 mg/day/12 wks

Antiprostatadenomic

Merck 11th Edition

Chemicals (1)

BETA-SITOSTEROL

Antiprostatic

Chemicals (2)

BETA-SITOSTEROL 10-20 mg 3 x/day/orl man

LINOLEIC-ACID

Antipruritic

Chemicals (1)

BENZYL-ALCOHOL

Antipyretic

Chemicals (2)

BETA-SITOSTEROL

SYRINGIN

Antiradicular	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990.
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Chemicals (3)

KAEMPFEROL 7 x quercetin

ROBININ 1/5 quercetin

TANNIN 500 mg/kg/day orl mus

Antirenitic	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990.
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Chemicals (1)

TANNIN

Antirheumatic

Chemicals (1)

CALCIUM 1,000 mg/day

Antisalmonella

Chemicals (1)

INDOLE MIC=800 ug/ml

Antiseptic	Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
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Chemicals (6)

ALPHA-TERPINEOL

BENZALDEHYDE

BENZYL-ALCOHOL

INDOLE 800 ug/ml

KAEMPFEROL 20 ug/ml

NEROL

Antiserotonin

Chemicals (1)

KAEMPFEROL 200 mg/kg ipr rat

Antisickling	Ekeke, G.I. and Shode, F.O. 1988. Phenylalanine is the Predominant Antisickling Agent in <i>Cajanus cajan</i> Seed Extract. <i>Planta Medica</i> 56(1): 41, 1990.
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Chemicals (1)

ASPARAGINE

Antispasmodic

Chemicals (5)

AMYGDALIN

BENZALDEHYDE

FARNESOL

KAEMPFEROL

LIQUIRITIGENIN

Antistaphylococcic

Chemicals (1)

KAEMPFEROL

Antistreptococcic

Chemicals (1)

INDOLE

Antistress

Chemicals (2)

CALCIUM 500-1,500 mg/day

SYRINGIN

Antitic

Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

Chemicals (1)

CALCIUM

Antitumor

Chemicals (7)

BENZALDEHYDE

CANAVANINE

FIBER

KAEMPFEROL

LIGNIN

TANNIN

TAXIFOLIN

Antitumor (Breast)

Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from *Vaccinium myrtillus* (Bilberry) Fruits and Cell Cultures. *Plant Sci.*, 131(1): 95-103.**Chemicals (1)**

BETA-SITOSTEROL

Antitumor (Cervix)

Chemicals (1)

BETA-SITOSTEROL

Antitumor (Lung)

Chemicals (1)

BETA-SITOSTEROL

Antitumor-Promoter

Chemicals (3)

KAEMPFEROL

ROBININ

TANNIN

Antitussive

Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)

Chemicals (1)

AMYGDALIN

Antiulcer

Chemicals (5)

FIBER

KAEMPFEROL 50-200 mg/kg ipr rat

LIQUIRITIGENIN

NEROL

TANNIN

Antivaricose

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

GLUCOSE

Antiviral

Chemicals (8)

BETA-SITOSTEROL

CANAVANINE

FISETIN

FUSTIN

KAEMPFEROL 23-92 ug/ml

LIGNIN

TANNIN

TAXIFOLIN

Anxiolytic

Chemicals (2)

CALCIUM 500-1,500 mg/day

PHOSPHORUS

Apoptotic

Chemicals (3)

BETA-SITOSTEROL

FARNESOL

KAEMPFEROL 60 uM

Aromatase-Inhibitor Journal of Medicinal Food 2: 235.1999.

Chemicals (2)

ACACETIN IC12=1 uM/l

KAEMPFEROL IC12=1 uM/l

Artemicide Jung, J.H., Pummangura, S., Chaichantipyuth, C., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of Melodorum fruticosum. Phytochemistry. 29(5): 1667-1670. 1990.

Chemicals (1)

BETA-SITOSTEROL LC50=110 ppm

Beta-Blocker

Chemicals (1)

FIBER

Bitter

Chemicals (1)

AMYGDALIN

Calcium-Channel-Blocker

Chemicals (1)

CALCIUM

cAMP-Phosphodiesterase-Inhibitor

Chemicals (1)

KAEMPFEROL

Cancer-Preventive Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Chemicals (12)

AMYGDALIN
BETA-SITOSTEROL
FIBER
INDOLE
KAEMPFEROL
LINOLEIC-ACID
LIQUIRITIGENIN
OLEIC-ACID
ROBINETIN
ROBININ
TANNIN
TAXIFOLIN

Candidicide

Chemicals (2)

BENZALDEHYDE
BETA-SITOSTEROL

Carcinogenic

Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. Compendium of Safety Data Sheets for Research and Industrial Chemicals. VCH Publishers, New York. 3560-4253.

Chemicals (5)

INDICAN
INDOLE
KAEMPFEROL
LINOLEIC-ACID
TANNIN

Cardioprotective

Chemicals (1)

FIBER

Caspase-8-Inducer

Chemicals (1)

BETA-SITOSTEROL

Cerebrodepressant

Chemicals (1)

HELIOTROPINE

Chelator

Chemicals (2)

LIGNIN
TANNIN

Choleretic

Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Chemicals (2)

KAEMPFEROL
OLEIC-ACID 5 ml/man

Cicatrizant

Chemicals (1)

ALPHA-TERPINEOL ED50=240 ug/g mus

CNS-Active

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

LIQUIRITIGENIN

Comedolytic

Chemicals (1)

LINOLEIC-ACID

Contraceptive

Chemicals (1)

BUTIN

Copper-Chelator

Chemicals (1)

KAEMPFEROL

Cosmetic

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (2)

BEHENIC-ACID

STEARIC-ACID

COX-2-Inhibitor

Chemicals (1)

KAEMPFEROL

Cyanogenic

Cooper-Driver, G. A., Chemical substances in plants toxic to animals, pp. 213-47 in Rechcigl, M., Jr., ed. CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Boca Raton, 1983, 339 pp.

Chemicals (1)

AMYGDALIN

Cyclooxygenase-Inhibitor

Chemicals (3)

FISETIN IC50 (uM) =80

KAEMPFEROL IC50 (uM) =20

TANNIN

Cytotoxic

Chemicals (2)

CANAVANINE

KAEMPFEROL

Dermatitigenic

Chemicals (2)

HELIOTROPINE

OLEIC-ACID

Diagnostic

Martindale's 28th

Chemicals (1)

XYLOSE

Diaphoretic?

Lawrence Review of Natural Products, Dec-90.

Chemicals (1)

KAEMPFEROL

Diuretic

Chemicals (5)

ASPARAGINE
CALCIUM
FIBER
KAEMPFEROL
ROBININ

Dye Merck 11th Edition

Chemicals (1)

XYLOSE

Estrogenic

Chemicals (4)

BETA-SITOSTEROL
BUTIN
KAEMPFEROL EC50=0.1-25 uM/l
NEROL

Expectorant Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)

Chemicals (1)

AMYGDALIN

Febrifuge Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.

Chemicals (1)

BETA-SITOSTEROL

Flatugenic Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (*Trigonella foenum graecum L.*). Plant Foods for Human Nutrition. 46: 77-84, 1994.

Chemicals (2)

RAFFINOSE
STACHYOSE

FLavor Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

Chemicals (10)

ALPHA-TERPINEOL FEMA 5-40
BENZALDEHYDE FEMA 150-800
BENZYL-ALCOHOL Fema 200-1,200
FARNESOL FEMA 0.1-3
HELIOTROPINE FEMA 5-40
NEROL FEMA 1-20
OLEIC-ACID FEMA 1-30
PALMITIC-ACID FEMA 1
STEARIC-ACID FEMA 2-4,000
TRANS-2-HEXENAL FEMA 0.7-20

Fungicide Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (5)

BENZYL-ALCOHOL
CANAVANINE
KAEMPFEROL 20 ug/ml
LIQUIRITIGENIN ED50=>100
TAXIFOLIN

Fungistat ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemicals (1)

DIHYDROROBINETIN

Glucosyl-Transferase-Inhibitor

Chemicals (1)

TANNIN

Gonadotrophic

Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. *Journal of Ethnopharmacology*, 28: 221-234, 1990.**Chemicals (1)**

BETA-SITOSTEROL

Hemagglutinin

Chemicals (1)

ROBIN

Hemoglobin-Inducer

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.**Chemicals (1)**

LIQUIRITIGENIN

Hemolytic

Bisset, N.G., ed. 1994. *Herbal Drugs and Phytopharmaceuticals*. CRC Press. Boca Raton, FL. 566 pp.**Chemicals (1)**

PALMITIC-ACID

Hepatoprotective

Chemicals (6)ACACETIN IC₅₀=7.25 uM

BETA-SITOSTEROL

KAEMPFEROL IC₅₀=5.46 uM

LINOLEIC-ACID

TANNIN

TAXIFOLIN

Herbicide

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.**Chemicals (1)**

CANAVANINE

HIV-RT-Inhibitor

Garcia, J., Morin,* C., Nyasse, B., Sondengam, B-L., Tchouankeu, J-C., and Tsamo, E. Complete Structural Assignments Of An Ergosterol Derivative From Entandrophragma utile. *Journal of Natural Products*, 54(1): 136-142, 1991.**Chemicals (1)**KAEMPFEROL IC₅₀=50-150 ug/ml

Hypercholesterolemic

Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. *CRC Handbook of Lipids in Human Nutrition*. CRC Press. Boca Raton, FL. 233 pp.)**Chemicals (1)**

PALMITIC-ACID

Hyperglycemic

Merck 11th Edition

Chemicals (1)

GLUCOSE

Hypocholesterolemic

Chemicals (7)

BETA-SITOSTEROL 2-6 g/man/day/orl

CALCIUM 500 mg/day

FIBER

LIGNIN

LINOLEIC-ACID

OLEIC-ACID

STEARIC-ACID

Hypoglycemic

Ivorra, M.D., Paya, M., and Villar, A. 1989. A Review of Natural Products and Plants as Potential Antidiabetic Drugs. *Journal of Ethnopharmacology*, 27: 243-275, 1989.

Chemicals (1)

BETA-SITOSTEROL

Hypolipidemic

Chemicals (1)

BETA-SITOSTEROL 2-6 g/day

Hypotensive

Chemicals (3)

CALCIUM 1 g/day

FIBER 10 g/man/day/orl

KAEMPFEROL

Hypouricemic

Chemicals (1)

FIBER

ICAM-1-Inhibitor

Chemicals (1)

KAEMPFEROL

Immunomodulator

Economic & Medicinal Plant Research, 6: 189.

Chemicals (2)

LINOLEIC-ACID

SYRINGIN

Immunostimulant

Chemicals (3)

BENZALDEHYDE

PHOSPHORUS

SYRINGIN

Immunosuppressant

Chemicals (1)

TANNIN

iNOS-Inhibitor

Chemicals (1)

KAEMPFEROL IC50=<15 uM

Inotropic

Chemicals (1)

KAEMPFEROL

Insecticide

Chemicals (2)

ALPHA-TERPINEOL 1.29 uM/fly
BENZALDEHYDE

Insectifuge

Jacobson, M., *Glossary of Plant-Derived Insect Deterrents*, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.

Chemicals (3)

BENZALDEHYDE 50 ppm
LINOLEIC-ACID
OLEIC-ACID

Insectophile

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.

Chemicals (1)

INDOLE

Interleukin-6-Inhibitor

Chemicals (1)

ALPHA-TERPINEOL

Iodothyronine-Deiodinase-Inhibitor Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.

Chemicals (3)

ACACETIN
FISETIN
KAEMPFEROL

Irritant

Merck 11th Edition

Chemicals (1)

OLEIC-ACID

JNK-Inhibitor

Chemicals (1)

KAEMPFEROL

Juvabional

Russell, G. B., *Phytochemical resources for crop protection*, N. Z. J. Technol., 2, 1986, 127-134.

Chemicals (2)

CANAVANINE
FARNESOL

Laxative

Chemicals (3)

CALCIUM 1,000-1,200 mg
FIBER
LIGNIN

Lipoxygenase-Inhibitor

Chemicals (4)

FISETIN IC50 (uM)=11
KAEMPFEROL
TANNIN
TAXIFOLIN

Lubricant

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.

Chemicals (2)

PALMITIC-ACID
STEARIC-ACID

Lupus-Generating

Merck 11th Edition

Chemicals (1)

CANAVANINE

MAO-Inhibitor

Chemicals (3)

KAEMPFEROL
LIQUIRITIGENIN EC₅₀=17uM
TANNIN

Memory-Enhancer

Science News, 138: 189, 1990.

Chemicals (1)

GLUCOSE

Metastatic

Science News, 146: 421.

Chemicals (1)

LINOLEIC-ACID

Mitogenic

Cooper-Driver, G. A., Chemical substances in plants toxic to animals, pp. 213-47 in Rechcigl, M., Jr., ed. CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Boca Raton, 1983, 339 pp.

Chemicals (1)

CANAVANINE

Mosquitofuge

Chemicals (1)

ALPHA-TERPINEOL > Deet

Motor-Depressant

Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. Bioactive Volatile Compounds from Plants. ACS Symposium Series 525. Amer. Chem. Soc., Washington DC

Chemicals (2)

ALPHA-TERPINEOL
BENZALDEHYDE

Mutagenic

Chemicals (2)

ACACETIN
KAEMPFEROL

Narcotic

Merck 11th Edition

Chemicals (1)

BENZALDEHYDE

Natriuretic

Chemicals (1)

KAEMPFEROL

Nematicide

Shoyakugaku Zasshi, 44: 183.

Chemicals (6)

ALPHA-TERPINEOL MLC=1 mg/ml
BENZALDEHYDE MLC=1 mg/ml
FARNESOL MLC=100 ug/ml
INDOLE MLC=1 mg/ml
LINOLEIC-ACID
PALMITIC-ACID

Neuroprotective

Chemicals (1)

KAEMPFEROL

Neurotropic

Chemicals (1)

SYRINGIN

NO-Inhibitor

Chemicals (1)

KAEMPFEROL IC50=13.9 uM

Ornithine-Decarboxylase-Inhibitor

Chemicals (1)

TANNIN

Osteogenic

Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

Chemicals (1)

PHOSPHORUS

Oxidase-Inhibitor

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (4)

BUTEIN
FISETIN
FUSTIN
TAXIFOLIN

PAF-Inhibitor

Chemicals (1)

KAEMPFEROL

Paralytic

Chemicals (1)

ROBIN

Paramecicide

ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemicals (1)

TRANS-2-HEXENAL

Pediculicide

Chemicals (1)

HELIOTROPINE

Percutaneostimulant

Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990.

Chemicals (1)

OLEIC-ACID

Perfumery

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.**Chemicals (6)**

ALPHA-TERPINEOL

FARNESOL

INDOLE Fragrance

NEROL

OLEIC-ACID

STEARIC-ACID

Pesticide

Chemicals (20)

ALPHA-TERPINEOL

BENZALDEHYDE

BENZYL-ALCOHOL

BETA-SITOSTEROL

CANAVANINE

DIHYDROROBINETIN

FARNESOL

FISETIN

FUSTIN

HELIOTROPINE

INDOLE

KAEMPFEROL

LIGNIN

LIQUIRITIGENIN

NEROL

PALMITIC-ACID

ROBININ

TANNIN

TAXIFOLIN

TRANS-2-HEXENAL

Pheromonal

Chemicals (1)

FARNESOL

Phytoalexin

Chemicals (1)

LIQUIRITIGENIN

Pigment

Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.**Chemicals (1)**

BUTEIN

Plasmodicide

Chemicals (1)ACACETIN IC₅₀=4.2-12.6 ug/ml

Propeptic

Chemicals (4)

LINOLEIC-ACID
OLEIC-ACID
PALMITIC-ACID
STEARIC-ACID

Prosticide ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemicals (1)

TRANS-2-HEXENAL

Protisticide Meckes, M., Calzada, F., Tapia-Contreras, A., Cedillo-Rivera, R. 1999. Antiprotozoal Properties of *Helianthemum glomeratum*. Phytotherapy Research, 13(2): 102-105.

Chemicals (2)

ACACETIN IC50=4.2-12.6 ug/ml
KAEMPFEROL

Psychotropic Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.

Chemicals (1)

TANNIN

Purgative

Chemicals (1)

ROBIN

Quinone-Reductase-Inducer

Chemicals (1)

KAEMPFEROL 3 uM

RNA-genic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

TAXIFOLIN

Sedative

Jim Duke's personal files.

Chemicals (5)

ALPHA-TERPINEOL
BENZALDEHYDE
BENZYL-ALCOHOL
FARNESOL
NEROL

Soap Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

PALMITIC-ACID

Spermicide Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.

Chemicals (1)

BETA-SITOSTEROL

Suppository Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

STEARIC-ACID

Teratologic

Chemicals (1)

KAEMPFEROL

Termiticide

Chemicals (2)

ALPHA-TERPINEOL IC100=5 mg/g

BENZALDEHYDE LD100=5 mg/g

TNF-alpha-Inhibitor

Chemicals (1)

KAEMPFEROL IC50=3.99 uM

Tonic

Chemicals (1)

SYRINGIN

Topoisomerase-I-Inhibitor Santti, R., Makela, S., Strauss, L., Korman, J., Kostian, M. L. 1998. Phytoestrogens: Potential Endocrine Disruptors in Males. *Toxicol Ind Health*, 14: 223-237.

Chemicals (3)

ACACETIN

FISETIN IC50=20.6 ug/ml

KAEMPFEROL

Topoisomerase-II-Inhibitor Constantinou, A., Mehta, R., Runyan, C., Rao, K., Vaughan, A., Moon, R. 1995. Flavonoids as DNA Topoisomerase Antagonists and Poisons: Structure-Activity Relationships. *J Natural Products*, 58: 217-225.

Chemicals (2)

FISETIN IC50=8.2 ug/ml

KAEMPFEROL IC50=8.1 ug/ml

Toxic

Chemicals (1)

AMYGDALIN

Tranquilizer

Chemicals (1)

CALCIUM 500-1,500 mg/day

Transdermal

Chemicals (1)

ALPHA-TERPINEOL

Trichomonicide

Chemicals (2)

FARNESOL LD100=100 ug/ml

NEROL ED100=300 ug/ml

Tumorigenic Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. Compendium of Safety Data Sheets for Research and Industrial Chemicals. VCH Publishers, New York. 3560-4253.

Chemicals (1)

INDOLE

Tyrosinase-Inhibitor

Chemicals (2)

BENZALDEHYDE ID50=820 uM

KAEMPFEROL ID50=230 uM

Ubiquiot

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (1)

BETA-SITOSTEROL

Ulcerogenic

Chemicals (1)

BETA-SITOSTEROL 500 mg/kg ipr rat

Uterotrophic

Chemicals (2)

BUTIN

KAEMPFEROL EC50=0.1-25 uM/l

Vasodilator

Chemicals (3)

CALCIUM

FIBER

KAEMPFEROL

Vulnerary

Chemicals (1)

ALPHA-TERPINEOL ED50=240 ug/g mus

Xanthine-Oxidase-Inhibitor

Chemicals (1)

TANNIN